



高效率濾網 – HI-Pack型

High Efficiency Particulate Air Filter
– HI-Pack Type

Testing Method 測試方法	Particle Size 粒徑	Efficiency (%) 效率
	0.3um	95%
		99.97%
		99.99%
		99.999%
European Standard EN1822		

Features:

HI-Pack is a type of Continuity fold paper; it is designed for providing larger media area. Mini folding design is for extending filter's life span and decreasing pressure drop. HI-Pack type HEPA/ULPA is a new design of AIRREX Air Filters. Media is made of ultra-fine fiberglass and folded into larger area and fabricated into frame. Folded filter is separated by hot melt adhesive to ensure the chemical pollution air will not release to a clean room. Air can blow through filter at a lowest pressure drop.

Efficiency:

The series provide guarantee efficiency from 95%, 99.97%, 99.99% to 99.999% (EU12-EU14) or H10-H14 (per EN-1822 standard in MPPS Test) on 0.3 micrometer size particles HEPA filter.

Media:

Media is made of ultra-fine fiberglass and folded into larger area and fabricated into frame.

Frame:

The frame is available for Wooden Frame (Fire-Retardant particle Board Frame) and Metal Frame (Galvanized Steel, Aluminum and Stainless Steel) in box type, Single Header or Double Turn Type. Both edges of filter can be additionally supported by metal mesh. It can be used to replace the traditional aluminum separators filters to provide larger filtration area.

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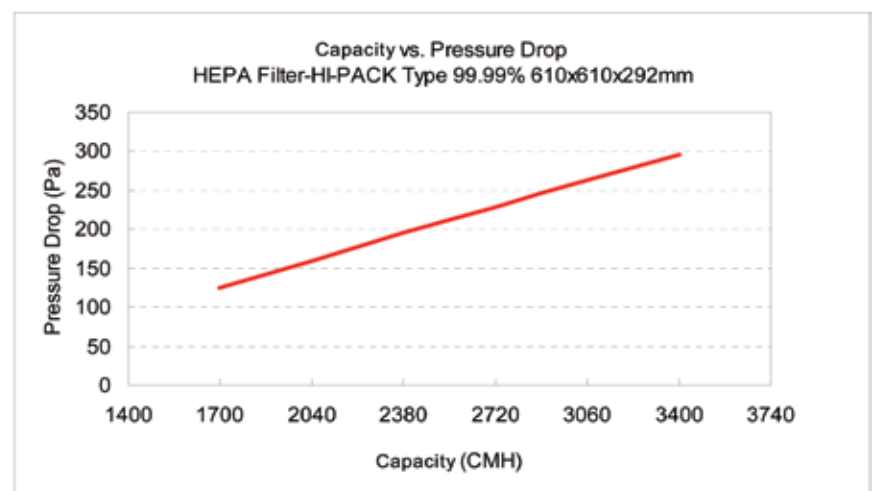
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特色：Pack型濾網為連續性摺紙，以提供高比率之濾材面積，迷你摺數設計意在延長濾網使用壽命及降低壓損。濾材由超細玻璃纖維經褶疊成大的表面面積組裝入框架內，摺紙後之濾紙經由熱熔膠間隔，不會釋出化學性污染到無塵室，使空氣以最低的壓損通過濾網。

效率：依歐規EN1822標準測試，即測試濾網之上風處與下風處粒子濃度，HEPA級效率從95~99.999%通過0.3um。

濾材：濾材由超細玻璃纖維經褶疊組裝入框架內，濾紙經由熱熔膠間隔，不會釋出化學性污染到無塵室，使空氣以最低的壓損通過濾網。

外框：框材可選用木框、鍍鋅鐵框、鋁框或不銹鋼框。可選擇箱型、單法蘭和雙法蘭。濾網兩側可提供加裝金屬護網。

High Efficiency Filter Performance Data-HI-PACK Type

高效率濾網性能表-HI-PACK型濾網

Efficiency 效率 (%)	Nominal Size 通稱尺寸 (W*H*D) (inch)	Actual Size 實際尺寸 (W*H*D) (mm)	Rated Capacity 額定風量 (CMH)	Pressure Drop 壓力損失 (Pa)	
				Initial Resistance 初壓損	Final Resistance 末壓損
99.97 99.99	12*24*12	287*592*292	1500	300	500
	24*24*12	592*592*292	3000		
	12*24*12	305*610*292	1700		
	24*24*12	610*610*292	3400		

* Special Sizes are available upon request.

※ 特殊規格可生產製造。

Material and Service Conditions 材質、使用條件

Type 型式		Description 說明	
Construction 總成	Media 濾材	Ultra-Fine Glass Fiber 超細玻璃纖維濾紙	
	Support Grid 支撐材	Hot Melt Adhesive 熱熔膠	
	Sealant 密封膠	PU BASE	
	Gasket Material 墊片材質	Neoprene Rubber 新平橡膠	
	Frame Material 外框材質	Metal Frame 金屬框	
	Frame Type 外框型式	Box Type 箱型	Single Header or Double Header 單法蘭/雙法蘭
Service Conditions 使用條件	The maximum continuous use temperature 連續使用最高溫度	°C	60
	Instant Highest Humidity 使用瞬間最高濕度	% RH	100 (No condensation state) 100 (無結露狀態下)